Section C

Advanced Reactors Transition

PROJECT MANAGERS

O.A. Farabee, RL
(509) 376-8089

D.B. Klos, FH
(509) 373-3574

INTRODUCTION

The Advanced Reactor Transition (ART) Program, PBS RL-RC03, Work Breakdown Structure (WBS) 3.1.3, consists of the Nuclear Energy (NE) Legacies and the 309 Building/Plutonium Recycle Test Reactor (PRTR) activities.

NOTE: Cost/Schedule data contained herein is as of November 30, 2001. All other information is as of December 28, 2001 unless otherwise noted.

NOTABLE ACCOMPLISHMENTS

309 Facility Deactivation – 1) Regulatory issues related to shutdown of the PRTR Heating & Ventilation exhaust stack have been resolved. Permanent shutdown of the stack was completed during the first week of December. The stack will continue to provide a passive vent path for the building. The only remaining action is to formally notify the state regulators. 2) The 309 roof repairs remain at approximately 95% completion. Completion will now be deferred until spring, due to inclement weather.

NE Legacies Deactivation – 1) Removal of the sodium-wetted piping in the High Temperature Sodium Test Facility in the 337B high bay was started. The sodium pipes to the cold trap were cut, and caps were welded on to complete the isolation of the cold trap from the sodium piping. The three sodium lines into the Composite Reactor Components Test Activity (CRCTA) Vessel were cut and caps with valves were welded on, to complete the isolation of the CRCTA Vessel from the sodium piping. Work on isolating the sodium storage tank in 3718M has started. 2) New pressure relief valves have been installed on the building nitrogen system and all refrigerant has been removed from the retired air conditioning systems in building 335 and 337B.

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

No breakthroughs or opportunities for improvement are identified at this time.

UPCOMING ACTIVITIES

Shutdown the 309 Building – To minimize Surveillance and Maintenance (S&M) costs while aligning with the 300 Area Accelerated Closure Plan, 1) the office wing roofs will be repaired, and 2) the building will be secured to minimize intrusion, pending resumption of deactivation activities in 2009.

NE Legacies Deactivation – 1) continue to dismantle small diameter piping and package for offsite shipment; 2) verify sodium inventory in the CRCTA vessel by remote inspection.

MILESTONE ACHIEVEMENT

FH Contract Milestones

There are no ART Milestones.

PERFORMANCE OBJECTIVES

Nothing to report at this time.

FY 2002 SCHEDULE / COST PERFORMANCE – ALL FUND TYPES
FY TO DATE STATUS – ($000)

		FYTD								
	By PBS	BCWS	BCWP	ACWP	SV	%	CV	%	BAC	EAC
PBS RL-RC03	Advanced Reactors Transition									
WBS 3.1.3.1	NE Legacy Facilities Transition	$ 164	$ 164	$ 87	$ 0	0%	$ 77	47%	$ 1,080	$ 1,080
WBS 3.1.3.2	PRTR/309 Building Transition	$ 33	$ 78	$ 34	$ 45	138%	$ 44	57%	$ 217	$ 217
WBS 3.1.3.3	ART Project Management	$ 32	$ 32	$ 21	$ -	0%	$ 11	34%	$ 188	$ 188
	Total	$ 229	$ 274	$ 142	$ 45	20%	$ 132	48%	$ 1,486	$ 1,486

FY TO DATE SCHEDULE / COST PERFORMANCE

The $0.05 million (20 percent) favorable schedule variance was due to good progress this fiscal year on the 309 Building transition to shutdown activities including roof repairs.

The $0.13 million (48 percent) favorable cost variance is primarily due to good progress in the NE Legacies sodium loop deactivation work and 309 Building transition to shutdown activities.

For all active sub-PBSs and TTPs associated with the Operations/Field Office, FYTD Cost and Schedule variances exceeding + / - 10 percent or one million dollars require submission of narratives to explain the variance.

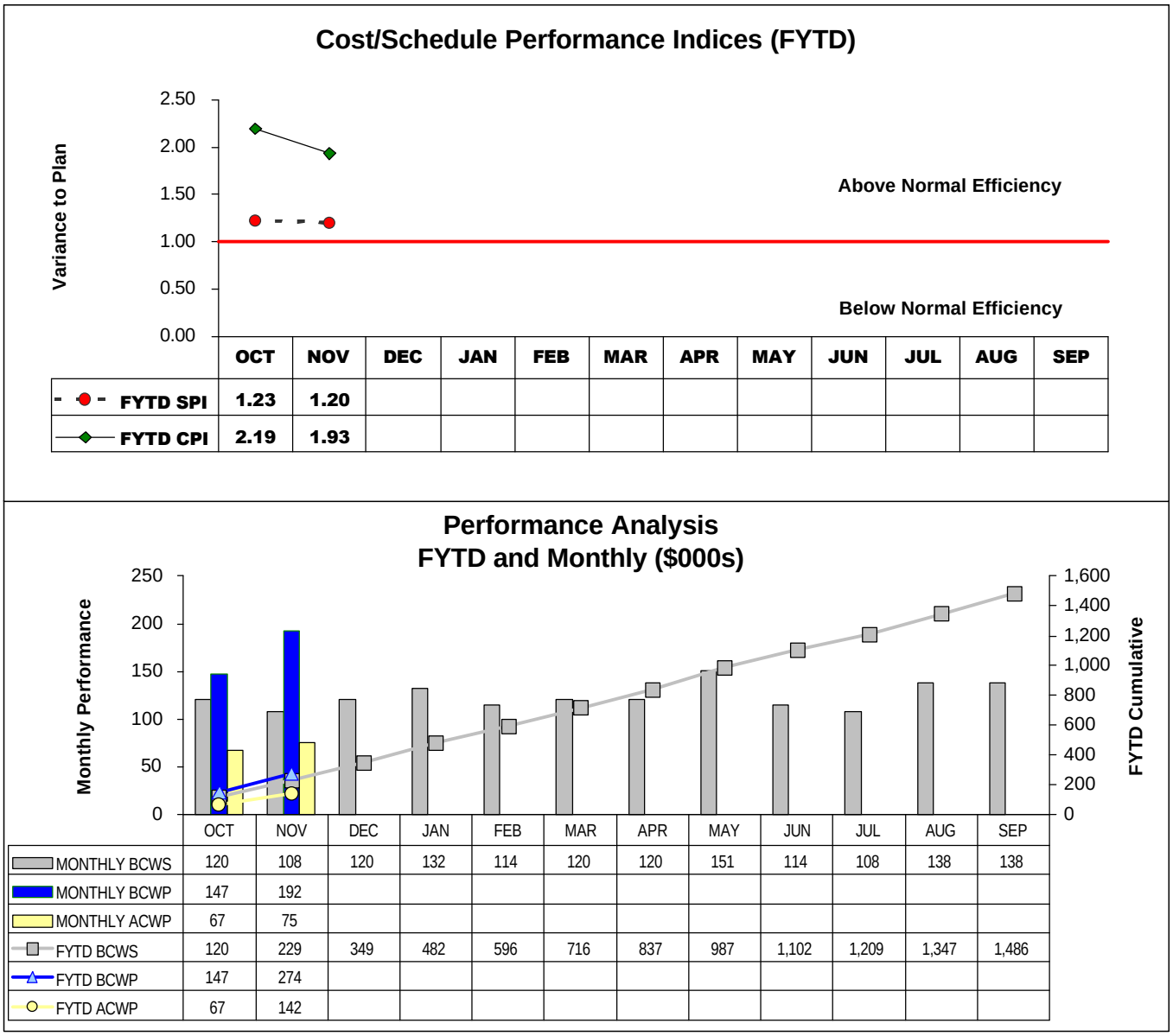
Schedule Variance Analysis: ($0.05M)

Advanced Reactor Transition — 3.1.3/RC03
Description/Cause: The positive schedule variance is primarily due to good progress this fiscal year on the 309 Building transition to shutdown activities including roof repairs.
Impact: There is no significant project impact at this time.
Corrective Action: None required.

Cost Variance Analysis: ($0.1M)

Advanced Reactor Transition — 3.1.3/RC03
Description/Cause: The positive cost variance is primarily due to good progress in the NE Legacies sodium loop deactivation work and 309 Building transition to shutdown activities.
Impact: There is no significant project impact at this time.
Corrective Action: None required.

COST / SCHEDULE PERFORMANCE (MONTHLY AND FYTD)



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
FYTD SPI	1.23	1.20										
FYTD CPI	2.19	1.93										

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY BCWS	120	108	120	132	114	120	120	151	114	108	138	138
MONTHLY BCWP	147	192										
MONTHLY ACWP	67	75										
FYTD BCWS	120	229	349	482	596	716	837	987	1,102	1,209	1,347	1,486
FYTD BCWP	147	274										
FYTD ACWP	67	142										

ISSUES

Technical, Regulatory, External, and DOE Issues and DOE Requests

Issue: Nothing to report at this time.
Impacts: None.
Corrective Action: None at this time.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS

None to report.